IN THE CLAIMS

The claims are:

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1-58 Canceled.

1	59. (previously presented) An apparatus for use while drilling a borehole, said apparatus				
2		comprising:			
3		(a) a longitudinal member for rotating a drill bit and adapted to be conveyed			
4		in the borehole;			
5		(b) an acoustic transmitter on a sleeve slidably coupled to said longitudinal			
6		member, and			
7		(c) an acoustic receiver spaced apart from said acoustic transmitter, said			
8		acoustic transmitter disposed on a sleeve slidably coupled to said			
9		longitudinal member.			
10	•				
1	60.	(previously presented) The apparatus of claim 59 wherein said sleeve in (b) is the			
2		same as the sleeve in (c).			
3	′				
1	61.	(previously presented) The apparatus of claim 59 wherein said acoustic			
2		transmitter comprises a three-component transmitter.			
3					
4	62.	(previously presented)The apparatus of claim 59 wherein said acoustic receiver			
5		comprises a three-component receiver.			
		•			

6						
1	6 3 .	(previously presented) The apparatus of claim 59 wherein said acoustic				
2		transm	nitter comprises one of (A) a pulse transmitter, and, (B) a swept frequency			
3		transmitter.				
4						
1	64.	(previously presented) A method of determining a parameter of interest of an earth				
2		formation penetrated by a borehole during drilling operations, the method				
3		comprising:				
4		(a)	conveying a bottom hole assembly (BHA) into the borehole, said BHA			
5			including a longitudinal member for rotating a drill bit thereon;			
6		(b)	maintaining an acoustic transmitter on said BHA in a substantially non-			
7			rotating position and propagating acoustic signals into said formation;			
8		(c)	maintaining an acoustic receiver on said BHA in a substantially non-			
9			rotating position and receiving an acoustic signal resulting from			
10			interaction of said propagating signals with said formation; and			
11		(d)	determining from said received acoustic signals said parameter of interest.			
12						
1	65.	(previously presented) The method of claim 64 wherein said received acoustic				
2		signals comprise reflections from a seismic reflector in the vicinity of said				
3		boreho	ole.			
4						
1	66.	(previously presented) The method of claim 65 wherein said parameter of interest				
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2		comprises a distance to said seismic reflector,
3		
1	67.	(previously presented) The method of claim 66 further comprising guiding said
2		BHA at least partially in response to said determined distance.
3		
1	68.	(previously presented) The method of claim 64 further comprising maintaining
2		said acoustic transmitter and said acoustic receiver at a specified distance from
3		each other.